

### 6th Grade Math Sequence 2015-2016

Unit	Time Line	Modules & Standards	Lessons & Assessments
Boot Camp <ul style="list-style-type: none"> <li>• Estimation, Place Value, Rounding</li> <li>• Decimals - dividing and multiplying by powers of 10</li> <li>• Number Sense - Properties/Patterns (Mental Math)</li> <li>• Divisibility Rules - Odd/Even and operations</li> <li>• Multiplication - double digit</li> <li>• Volume of rectangular prisms</li> <li>• Measurement - Conversion</li> <li>• Fraction Concepts - Equivalent Fractions/Simplifying Fractions/Converting between mixed and improper fractions</li> <li>• Fraction Operations - Add, Subtract , Multiply and divide by unit fractions</li> <li>• Order of Operations</li> </ul>	Sept (4 weeks)	Holt Chapter 1? Team Building Activities	
Expressions and Equations <ul style="list-style-type: none"> <li>• Relationships between operations</li> <li>• Writing expression, solving equations</li> <li>• Distributive Property</li> </ul>	Oct - Nov 6-7 weeks	Module 4 6.EE.A.1 6.EE.A.2 6.EE.A.3 6.EE.A.4 6.EE.B.5	Topic A-E

(backwards and forwards) • Inequalities (writing and graphing)		6.EE.B.6 6.EE.B.7 6.EE.B.8 6.EE.C.9	
Arithmetic Operations - Number Systems • GCF, LCM and divisibility rules • Dividing Fractions • Long Division • divisibility rules • Dividing Decimals	Nov - Dec 5 weeks	Module 2 6.NS.1 6.NS.2 6.NS.3 6.NS.4 6.NS.5	Optional Lesson 19 Important prior knowledge: rewriting mixed numbers as improper fractions (and reverse) converting mixed numbers to decimals adding and subtracting decimals *After Lesson 8 Supplement with Holt 6th grade Chapter 3.1-3.3, 3.5-3.6 Module Lesson 15 (optional game pass the paper) Holt 3.7-3.9 Module Story Problems with decimals*
Rational Numbers (Number Systems) • Integers (order and compare) • Absolute Value • Coordinate Plane (graphing and distance)	Jan 3-4 weeks	Module 3 6.NS.C.5 6.NS.C.6 6.NS.C.7 6.NS.C.8	
Ratio and Unit Rates • Ratios • Unit Rates • Percents • Conversions • Double Number Lines, Tape Diagrams, etc.	Feb - Mar 7-8 weeks	Module 1 6.RP.1 6.RP.2 6.RP.3a-d	

Area, Surface Area and Volume (Geometry) <ul style="list-style-type: none"> <li>• Area of triangles, parallelograms, polygons</li> <li>• Distance on the coordinate plane</li> <li>• Volume of rectangular prisms</li> <li>• Surface area using nets of 3-d figures involving rectangles and triangles</li> </ul>	Apr 5 weeks	Module 5 6.G.A.1 6.G.A.2 6.G.A.3 6.G.A.4	
Statistics <ul style="list-style-type: none"> <li>• Distributions of data</li> <li>• Variability of data</li> </ul>	May - June 4-5 weeks	Module 6 6.SP.A.1 6.SP.A.2 6.SP.A.3 6.SP.B.4 6.SP.B.5 a-d	
6th grade review and final test			
7th grade preview			